

# Hydrogen Bonding Notes

Hydrogen Bonding – occurs in \_\_\_\_\_

It is the attraction of a hydrogen in one molecule to an electronegative atom in another molecule (electronegative atom must have at least one \_\_\_\_\_ of electrons)

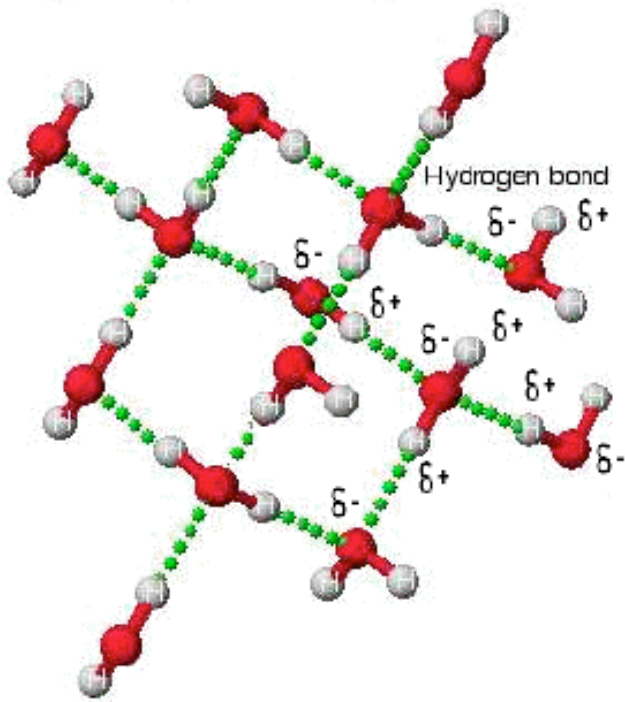
\*\*\*Hydrogen bonds are not as strong as covalent bonds

How to draw hydrogen bonding:

# Hydrogen bonding with water (solid, liquid, gas)

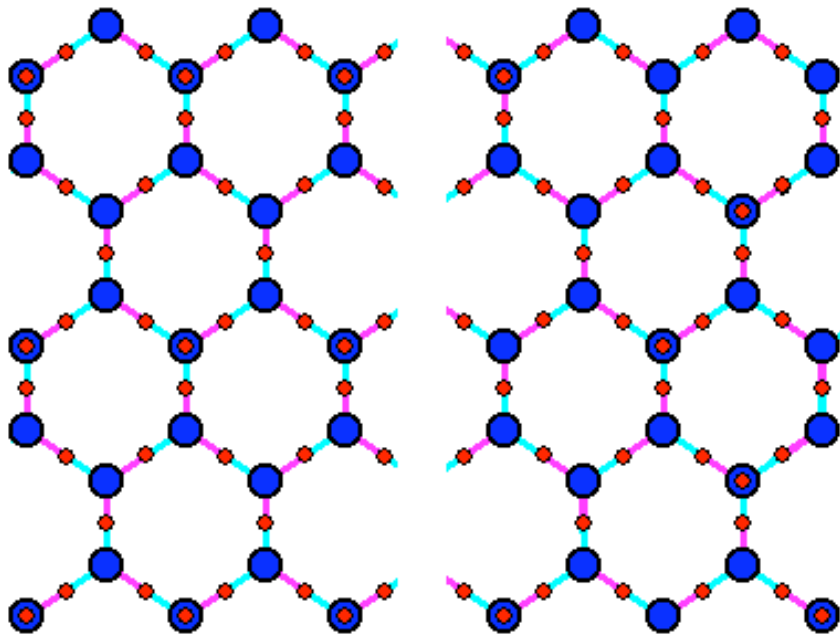
Liquid H<sub>2</sub>O:

## Hydrogen Bonding in Water



C. Ophardt, c. 2003

Solid H<sub>2</sub>O:



Gas  $\text{H}_2\text{O}$ :

